

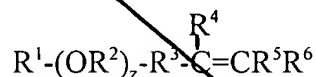
The invention claimed is:

Sub A1
1. An aqueous coating composition comprising:

- 5
- (a) a binder polymer comprising one or more copolymerizable monoethylenically unsaturated monomers, wherein at least one of said monoethylenically unsaturated monomers contains latent crosslinking functionality; and
- (b) a second polymer comprising a monoethylenically unsaturated monomer containing latent crosslinking functionality.

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2. The coating composition of claim 1 wherein said monoethylenically unsaturated monomer having latent crosslinking functionality comprises a carbonyl-containing monomer selected from the group consisting of acrolein, methacrolein, diacetone acrylamide, diacetone methacrylamide and vinylaceto acetate.

Sub A2
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3. The coating composition of claim 1 wherein the binder polymer further comprises a macromonomer represented by the formula:



wherein:

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- R^1 is a monovalent residue of a substituted or unsubstituted hydrophobe compound;
- each R^2 is the same or different and is a substituted or unsubstituted divalent hydrocarbon residue;
- R^3 is a substituted or unsubstituted divalent hydrocarbon residue;

Sub A2

R^4, R^5, R^6 are the same or different and are hydrogen or a substituted or unsubstituted monovalent hydrocarbon residue;
and z is a value of 0 to 150.

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4. The coating composition of claim 1 wherein said second polymer is a dispersant polymer.
5. The coating composition of claim 1 wherein said second polymer is a thickener polymer.

Sub A3

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6. The coating composition of claim 1 wherein the binder polymer comprises:
 - (a) 40-60% by weight of a fatty acid vinyl ester;
 - (b) 30-50% by weight of methylmethacrylate;
 - (c) 0.5-10% by weight of diacetone acrylamide; and
 - (d) 0.5%-5% by weight of methacrylic acid, based on the total weight of the binder polymer.
7. The coating composition of claim 1 wherein the monomer having latent crosslinking functionality comprises diacetone acrylamide.

Sub A4

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8. An aqueous coating composition comprising:
 - (a) a binder polymer comprising one or more copolymerizable monoethylenically unsaturated monomers, wherein at least one of said monoethylenically unsaturated monomers contains latent crosslinking functionality; and

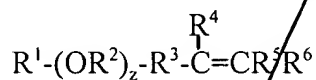
Sub A4/

(b) at least one polymer comprising the reaction product of:

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- (i) an unsaturated carboxylic acid monomer,
 - (ii) a monoethylenically unsaturated monomer different from the carboxylic acid monomer,
 - (iii) a macromonomer comprising a hydrophobic portion and an alkoxyated portion, and
 - (iv) a monoethylenically unsaturated monomer containing latent crosslinking functionality.

9. The coating composition of claim 8 wherein said monoethylenically unsaturated monomer having latent crosslinking functionality comprises a carbonyl-containing monomer selected from the group consisting of acrolein, methacrolein, diacetone acrylamide, diacetone methacrylamide and vinylaceto acetate.

10. The coating composition of claim 8 wherein said macromonomer is represented by the formula:



20 wherein:

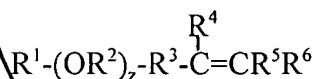
R^1 is a monovalent residue of a substituted or unsubstituted hydrophobe compound;
each R^2 is the same or different and is a substituted or unsubstituted divalent hydrocarbon residue;

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R³ is a substituted or unsubstituted divalent hydrocarbon residue;

R⁴, R⁵, R⁶ are the same or different and are hydrogen or a substituted or unsubstituted monovalent hydrocarbon residue;

and z is a value of 0 to 150.

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Sub A5
1. The coating composition of claim 8 wherein the binder polymer further comprises a macromonomer represented by the formula:



wherein:

R¹ is a monovalent residue of a substituted or unsubstituted hydrophobe compound;

each R² is the same or different and is a substituted or unsubstituted divalent hydrocarbon residue;

R³ is a substituted or unsubstituted divalent hydrocarbon residue;

R⁴, R⁵, R⁶ are the same or different and are hydrogen or a substituted or unsubstituted monovalent hydrocarbon residue;

and z is a value of 0 to 150.

- 20 12. The coating composition of claim 8 wherein the binder polymer comprises:

(a) 40-60% by weight of a fatty acid vinyl ester;

(b) 30-50% by weight of methylmethacrylate;

(c) 0.5-10% by weight of diacetone acrylamide; and

Sub A5

(d) 0.5%-5% by weight of methacrylic acid, based on the total weight of the binder polymer.

13. The coating composition of claim 8 wherein the monomer having latent crosslinking functionality comprises diacetone acrylamide.

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14. The coating composition of claim 8 further comprising a second polymer comprising the reaction product of:

- (i) an unsaturated carboxylic acid monomer,
- (ii) a monoethylenically unsaturated monomer different from the carboxylic acid monomer,
- (iii) a macromonomer comprising a hydrophobic portion and an alkoxyated portion, and
- (iv) a monoethylenically unsaturated monomer containing latent crosslinking functionality.

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